

Aerospace Medical Support in Russia

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Disclosure Information

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I have no financial relationships to disclose.

I will not discuss off-label use and/or
investigational use in my presentation



Star City, Russia



Overview

- Role of Flight Surgeon at GCTC
 - Medical advocate for astronauts (U.S., CSA, ESA, JAXA)
 - Medical Care in GCTC - Illness/Injury





Current Duties

- ✓ Maintain and Operate Star City medical office
- ✓ Provide care to astronauts, family members / guests, civil servants, and contractors in Star City
 - Provide Continuum of Medical Capability
 - Urgent Care Needs
 - ATLS/ACLS Capability
 - Medical Evacuation
- ✓ First U.S. physician responder for emergency landings





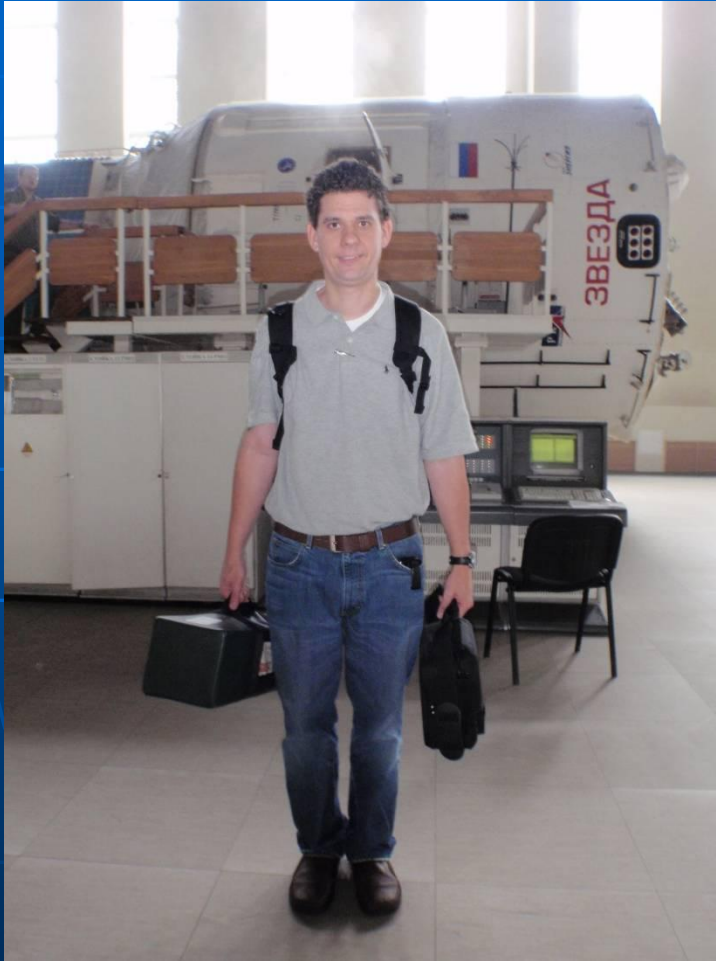
Office



Office



“Portable Equipment”

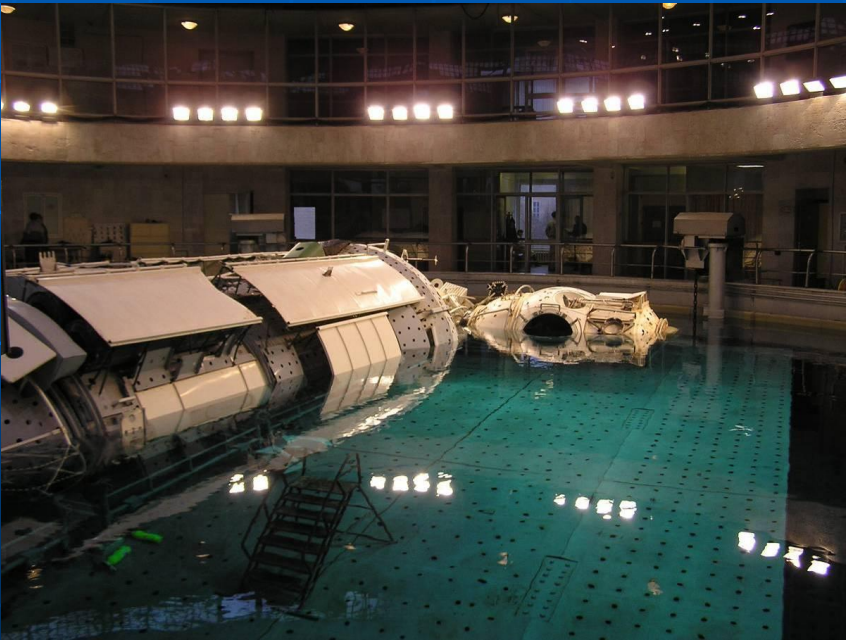


➤ Hazardous Training Responsibilities

- Hydrolab
- Centrifuge
- Soyuz Trainers
- EVA Stand
- Zvezda Vacuum Chamber
- Zvezda Suited Seat Test
- Chkalovskiy Vacuum Chambers
- Water Survival (Sochi or Sevastopol or Hydrolab)
- Winter Survival (Rousa or GCTC)
- EVA Support from MCC (TsUP)

Hydrolab

Moving Floor



Hyperbaric Chamber



Centrifuge

TsF-18



TsF-7



Building One

Soyuz Trainer



Stand Run





Zvezda



Hazardous Training Responsibilities

Water Survival



Winter Survival



Chkalovskaya

- EVA hatch practice
 - Crew in EVA suit practices hatch opening at near vacuum
- ISS leak isolation
 - Crew practices Russian segment response to ISS depress.



Landing Support



Realities of a Potential Hazardous Training Mishap

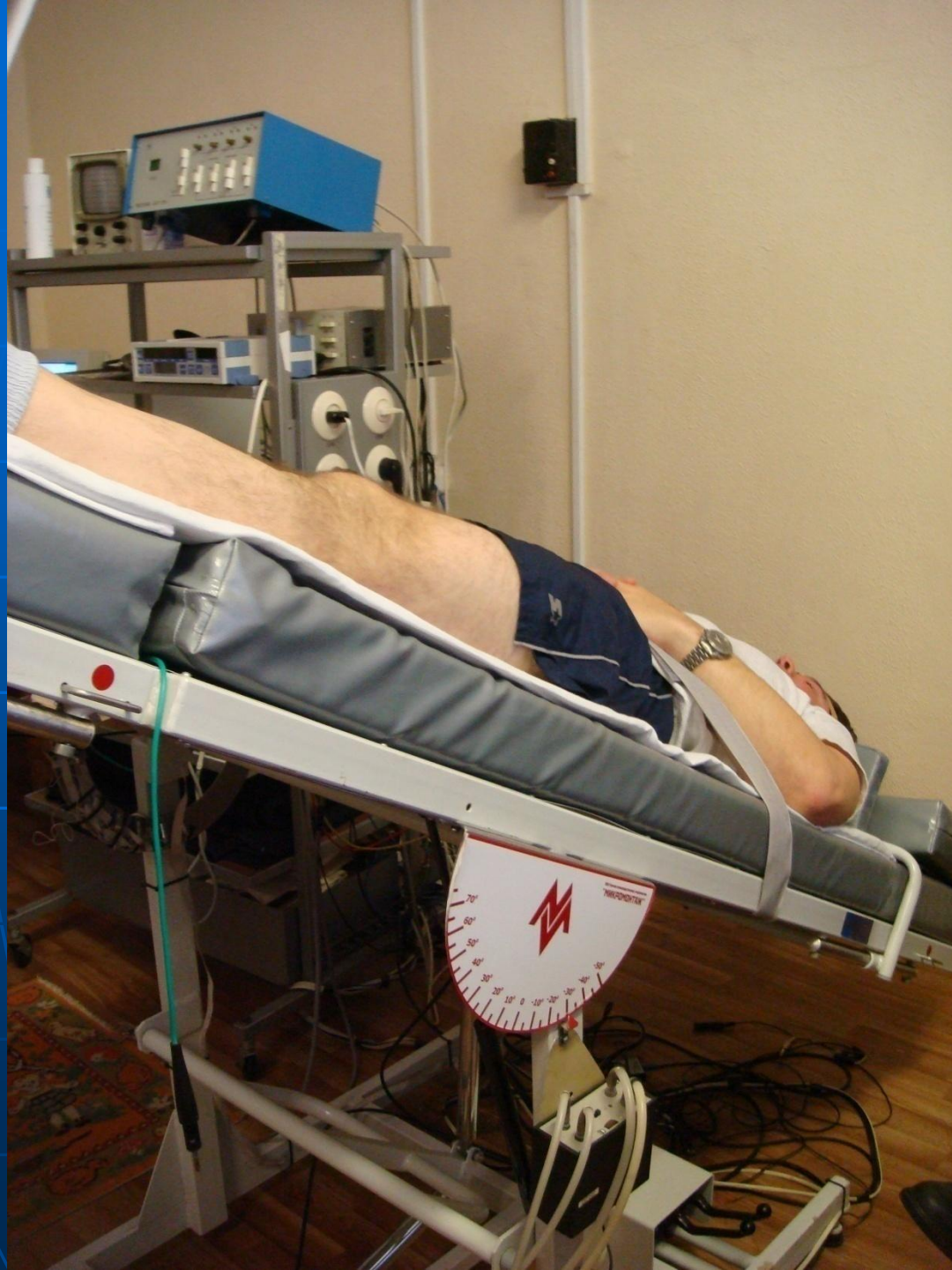
- Russian and American FS will work together
 - ✓ Determine what medical capabilities are available and which facilities are needed
 - ✓ We support and attempt to implement our EMS plan as soon as possible/necessary



Questions?

Back-up Slides











ШАБЛОН





